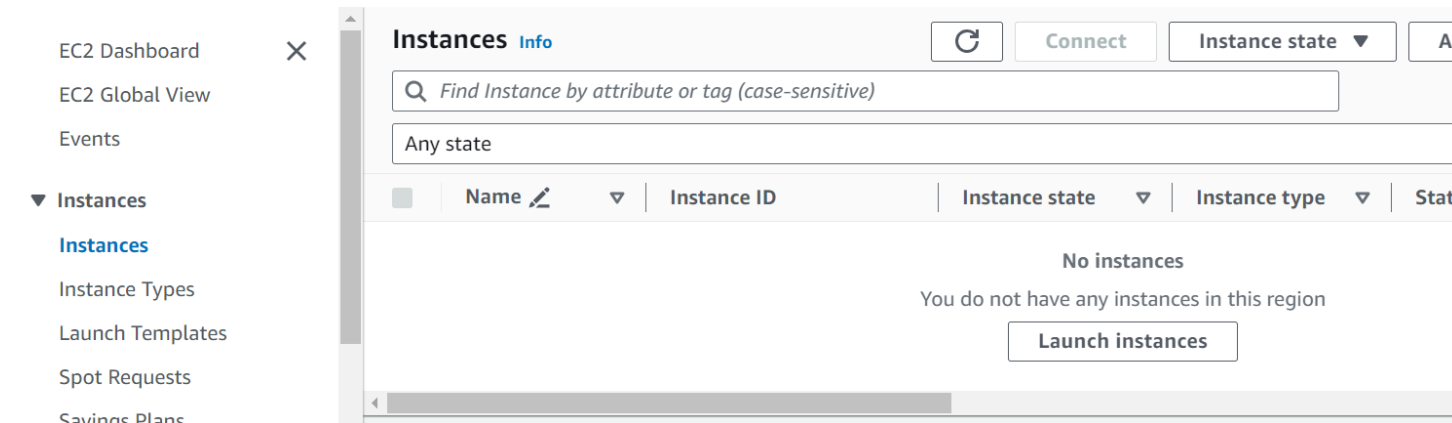
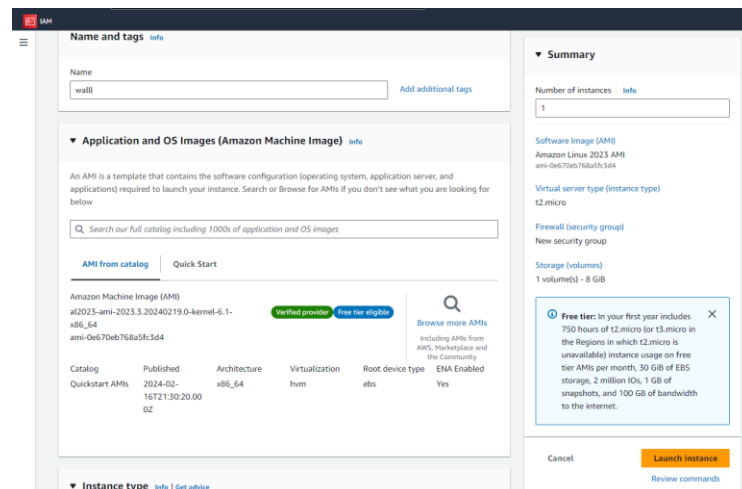


1)HOW TO CREATE AN EC2 INSTANCE AND GET ACCESS REMOTELY ???

Step I : go to EC2 dashboard and click on “Launch Instance”.



Step II : Name your Instance and Choose the Operating System.



Step III : Give the key pair name and select type and file format, Then click create key pair for secure access.

Summary

Create key pair

Key pair name
Key pairs allow you to connect to your instance securely.

quiet

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

☒ RSA
RSA encrypted private and public key pair

☐ ED25519
ED25519 encrypted private and public key pair

Private key file format

☒ pem
For use with OpenSSH

☐ ppk
For use with PuTTY

When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. [Learn more](#)

Cancel Create key pair

Step IV : Enable the HTTP services in network settings and click on Launch Instance and wait for it become ready.

Summary

Network settings

Network
vpc-0b069a8340259e617

Subnet
No preference (Default subnet in any availability zone)

Auto-assign public IP
Enable

Firewall (security group)
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group ☐ Select existing security group

We'll create a new security group called 'launch-wizard-3' with the following rules:

☒ Allow SSH traffic from
Helps you connect to your instance

Anywhere
0.0.0.0/0

☒ Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

☒ Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

Configure storage

Advanced

1x 8 GiB gp3 Root volume (Not encrypted)

Summary

Number of instances
1

Software Image (AMI)
Amazon Linux 2023 AMI
ami-0a6706b768a5f1c3d4

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million IOPS, 1 GiB of snapshots, and 100 GB of bandwidth to the internet.

Cancel Launch instance
Review commands

Step V : Here, the Instance wall is created.

aws Services Search [Alt+S]

IAM

Successfully terminated i-0fd4aa2ffc4804c94

Instances (1) Info

Find Instance by attribute or tag (case-sensitive)

Running

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 address
<input type="checkbox"/>	wall	i-0c271b067b3db2276	Running	t2.micro	Initializing	View alarms	ap-south-1b	ec2-13-232-146-55.ap-...	13.232.146.55

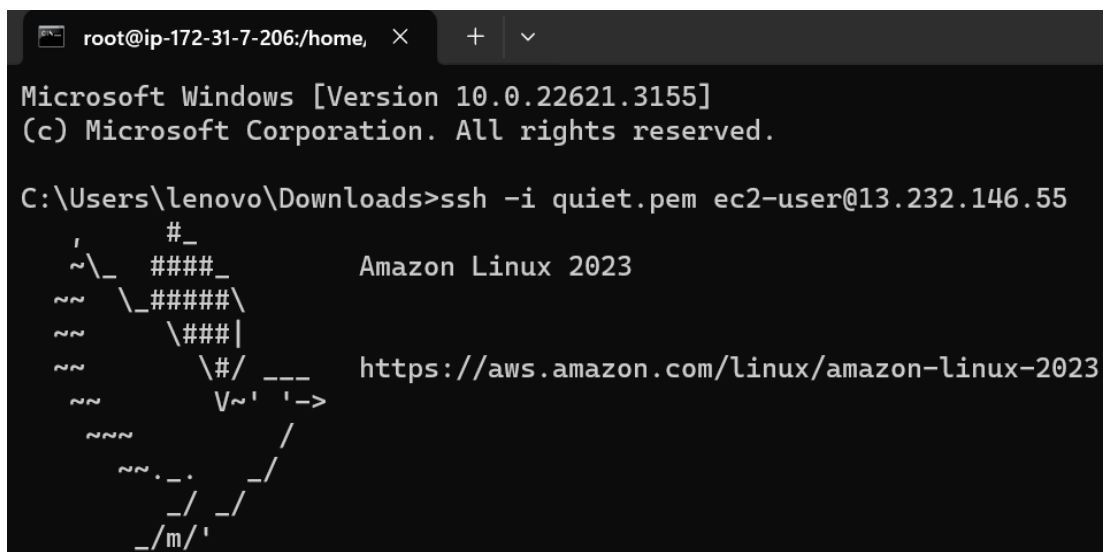
Step VI : copy the public IP address of this EC2 Instance.

For connect with ssh ,

Step VI : go to the folder where your .pem key is saved and open the command prompt there.

Step VIII : give these command “ssh -i wall.pem [ec2-user@13.232.146.55](#)”

Step IX : and here ,you are connected to your EC2 instance.



```
root@ip-172-31-7-206:/home, X + v
Microsoft Windows [Version 10.0.22621.3155]
(c) Microsoft Corporation. All rights reserved.

C:\Users\lenovo\Downloads>ssh -i quiet.pem ec2-user@13.232.146.55

#_
~\_ #####_ Amazon Linux 2023
~~ \_#####\
~~ \###|
~~ \#/ --- https://aws.amazon.com/linux/amazon-linux-2023
~~ V~' '->
~~~
~~~.~.~
~/~/
~/m/'
```

2) USING CREATED EC2 INSTANCE ,HOST THE WEBSITE THROUGH INSTANCE.

i) INSTALL HTTPD SERVICE.

Step I : Switch the root user using “sudo su “ command on cmd.

Step II : to install httpd use “yum install httpd”.

Step III : then check status using “systemctl status httpd”.

Step IV : then start demon service using “systemctl start httpd”.

Step V : to enable it “systemctl enable httpd”.

```
debeuqeuuc1ez 1ezof1ueq'
Γ92zΓ wef9q9f9 exb119f1ou cμecK: 0:02:35 εδο ou 1ne Eep 5Δ 1Δ:π0:2e 505π'
[root@ip-172-31-7-206 ec2-user]# λnπw 1u2f9fΓ μf1bq
[ec2-user@ip-172-31-7-206 ~]# 2nqo 2n
Γ92zΓ f0d1u: 1ne Eep 5Δ 1Δ:ππ:5e 505π t1ow 125'2Δ'55δ'10
```

```
[root@ip-172-31-7-206 ec2-user]# systemctl start httpd
[root@ip-172-31-7-206 ec2-user]# systemctl enable httpd
[root@ip-172-31-7-206 ec2-user]# ls /
bin boot dev etc home lib lib64 local media mnt opt proc root run sbin srv sys tmp usr var
[root@ip-172-31-7-206 ec2-user]# ls /var/www/
cgi-bin html
```

TO HOST THE WEBSITE

Step VI : go to browser ,search free templates then select template and copy their link address.

Step VII : then go to cmd , to download template give command “curl -O “copied link address” or we also use wget command here.

Step VIII : after downloading the template, to check the file give “ls” command ,file is zip format.

Step IX : to unzip the file give command unzip “file-name”.

```
[root@ip-172-31-7-206 ec2-user]# curl -O https://www.free-css.com/assets/files/free-css-templates/download/page288/global.zip
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left   Speed
100 1197k  100 1197k    0     0  823k      0  0:00:01  0:00:01 --:--:-- 823k
[root@ip-172-31-7-206 ec2-user]# ls
global.zip
[root@ip-172-31-7-206 ec2-user]# unzip global.zip
Archive:  global.zip
85b1db727adfaf561363881f904e33086c8f77e3
  creating: global-master/
  inflating: global-master/README.md
  creating: global-master/assets/
```

Step X : to view unzipped file give “ls” command.

Step XI : then copy file to /var/www/html using “cp -rvf global-master/* /var/www/html”

```
  inflating: global-master/assets/js/vendor/jquery-2.2.4.min.js
  inflating: global-master/index.html
[root@ip-172-31-7-206 ec2-user]# ls
global-master  global.zip
[root@ip-172-31-7-206 ec2-user]# cp -rvf global-master/* /var/www/html
'global-master/README.md' -> '/var/www/html/README.md'
'global-master/assets' -> '/var/www/html/assets'
'global-master/assets/img' -> '/var/www/html/assets/img'
```

Step XII : After doing this, Simply open another browser and paste the public IPV4 address and check website is hosted.

